

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims:

Claim 54 has been amended as follows:

54. (Amended) A method for generating a library of yeast expression vectors encoding a library of protein complexes, comprising:

transforming into yeast cells a library of insert nucleotide sequences that are linear and double-stranded, and a library of linearized yeast expression vectors, each having a 5'- and 3'-terminus sequence at the site of linearization; and

having homologous recombination occur between the vector and the insert sequence such that the insert sequence is included in the vector in the transformed yeast cells,

wherein

each of the linearized yeast expression vectors in the vector library comprises a first polynucleotide sequence encoding a first polypeptide subunit which varies within the vector library and has a diversity of at least 1×10^3 ;

the insert sequences of the insert library comprise a second nucleotide sequence encoding a second polypeptide subunit which varies within the insert library, each of the insert sequences comprising a 5'- and 3'- flanking sequence at the respective ends of the insert sequence and being sufficiently homologous to the 5'- and 3'-terminus sequences of the linearized yeast expression vector, respectively, to enable homologous recombination to occur, and

the first and second polypeptide subunits are capable of being expressed as separate proteins and assembling to form the library of protein complexes of the first and second polypeptide subunits and having a diversity of at least 1×10^6 .